

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

08/12/2011

Erik Bennett
Assistant District Attorney, Suffolk County

Dear ADA Bennett,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Nicole Medina.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Nicole Medina was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Nicole E. Medina

Education

Bachelor of Science, Chemistry (1995)

Emmanuel College, Boston, MA

Research Project: (1994)

In-Vivo Mapping of Cocaine Metabolites in Biological Fluids

Conducted at Massachusetts State Police Crime Lab, Toxicology Department

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substances and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2004-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis
- Successfully completed an eight week training in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2001 – October 2004)

Wolfe Laboratories, Newton & Watertown, MA

Laboratory Technician (January 1996 - April 1997)

Gillette, Boston, MA

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

DRUG RECEIPTCC # [REDACTED]
BOOK # 29
PAGE # 152
DESTRUCTION # _____District/Unit A 7
Name & Rank of Arresting Officer PO. FRANCIS / PO. LANE ID# 11172 / 12269

DEFENDANT'S NAME

ADDRESS

CITY

STATE

REVERE

MA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBER

White Powder substance (cocaine)

1 plastic bag

1.69g

To be completed by ECU personnel only

Name and Rank of Submitting Officer PO M. Lippman ID# 12015 / 2164Received by [Signature] Date 6-9-10

ECU Control # _____

No. [REDACTED]

Date Analyzed: 09-21-10

City: Boston D.C.U. Police Dept.

Officer: P.O. MILA DEPINA

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 06/09/2010

No. Analyzed:

Gross Wt.: 1.69

Net Weight: 0.06

Tests: 7 Nem

Prelim: Cocaine

Findings: ^{2 ASD} cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

NEM

No. of samples tested: _____

Evidence Wt. ✓

PHYSICAL DESCRIPTION:

Signed & Sealed

1 PB Containing white Powder.

Gross Wt (): _____

Gross Wt (1): 0.2683gm

Pkg. Wt: 0.1987gm

Net Wt: 0.0696gm

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+) blue

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (+)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 09.09.10

GC/MS CONFIRMATORY TEST

RESULTS Cocaine

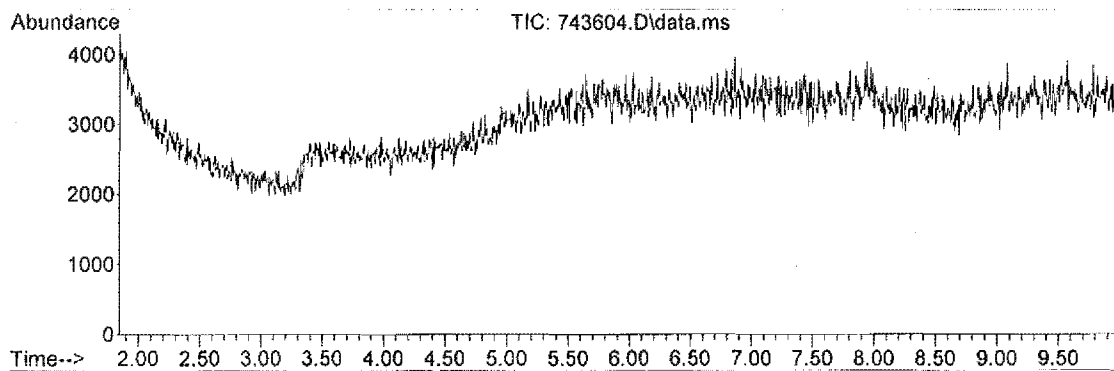
MS
OPERATOR ASD

DATE 09.21.10

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_15_10\743604.D
Operator : ASD
Date Acquired : 15 Sep 2010 12:55
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

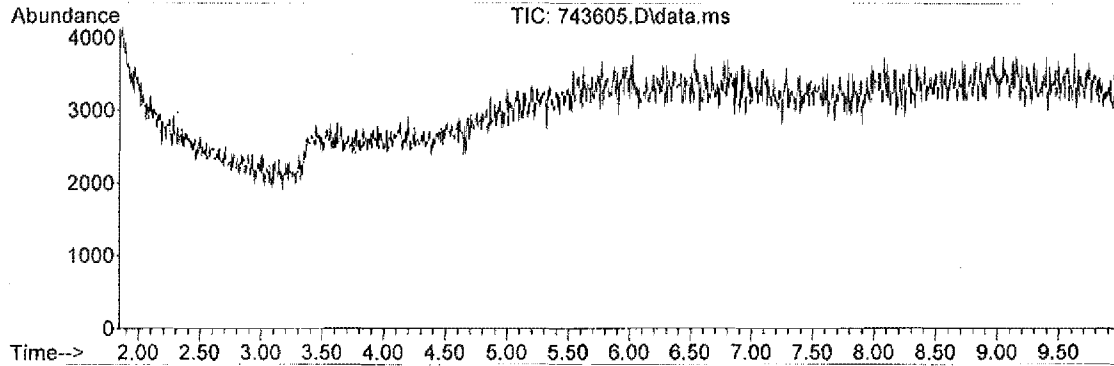


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

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Operator : ASD
Date Acquired : 15 Sep 2010 13:08
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



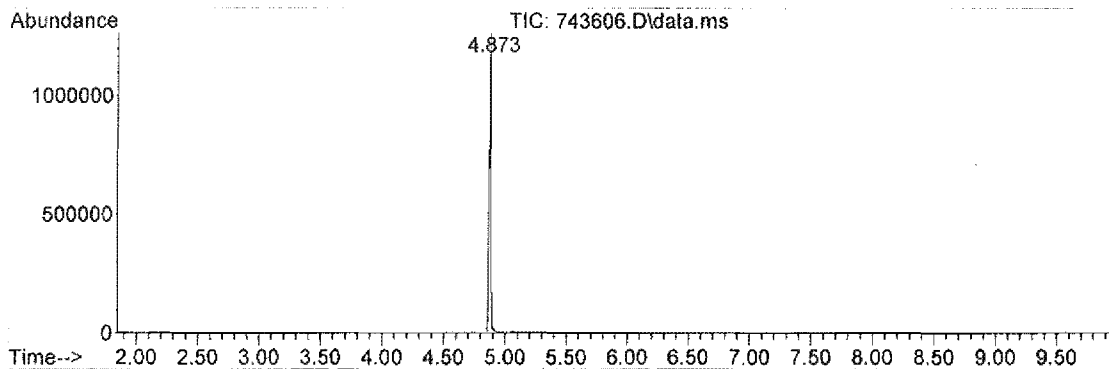
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_15_10\743606.D
 Operator : ASD
 Date Acquired : 15 Sep 2010 13:21
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



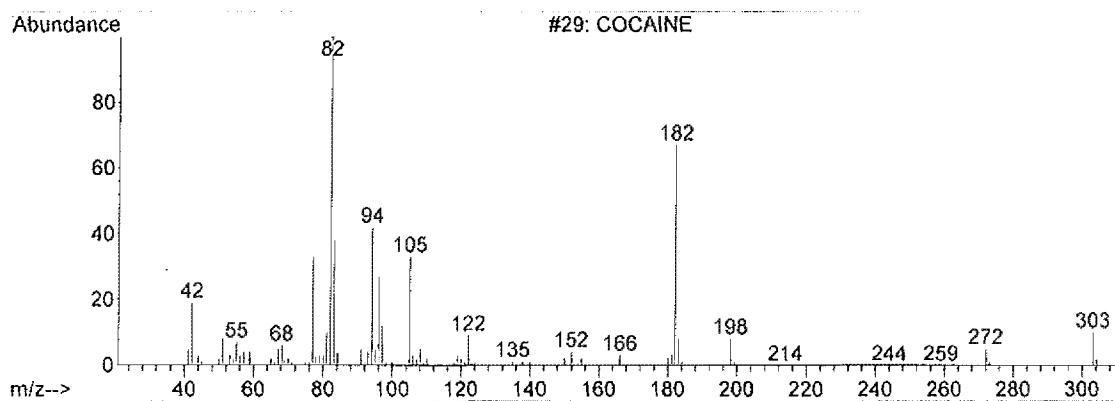
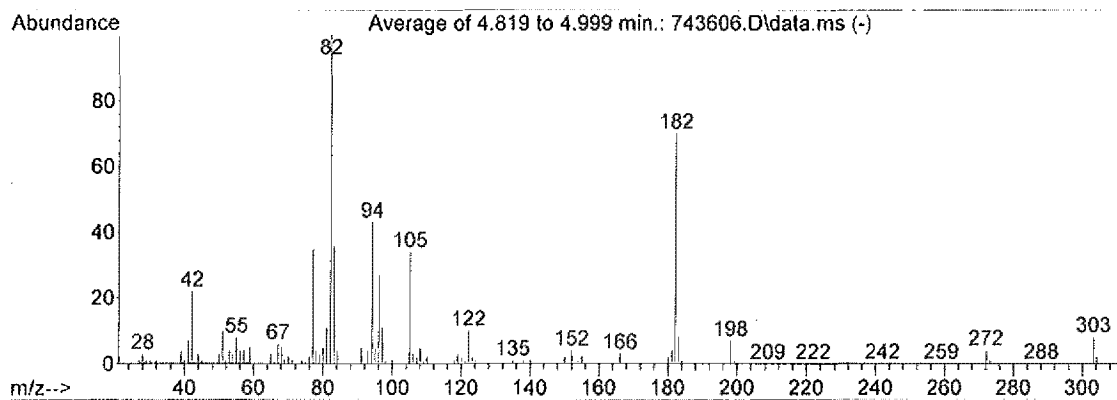
Ret. Time	Area	Area %	Ratio %
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Information from Data File:

File Name : K:\09_15_10\743606.D
Operator : ASD
Date Acquired : 15 Sep 2010 13:21
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

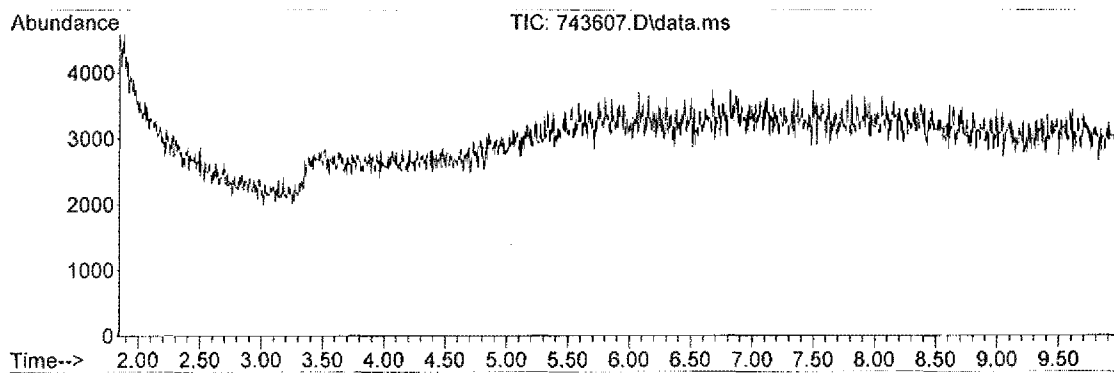
PK#	RT	Library/ID	CAS#	Qual
1	4.87	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_15_10\743607.D
Operator : ASD
Date Acquired : 15 Sep 2010 13:34
Sample Name : BLANK
Submitted by : NEM
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

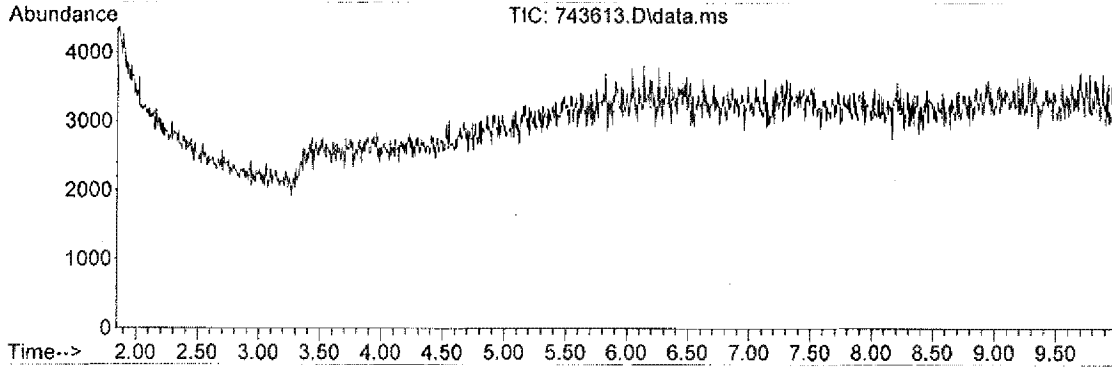


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : K:\09_15_10\743613.D
Operator : ASD
Date Acquired : 15 Sep 2010 14:49
Sample Name : BLANK
Submitted by : NEM
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



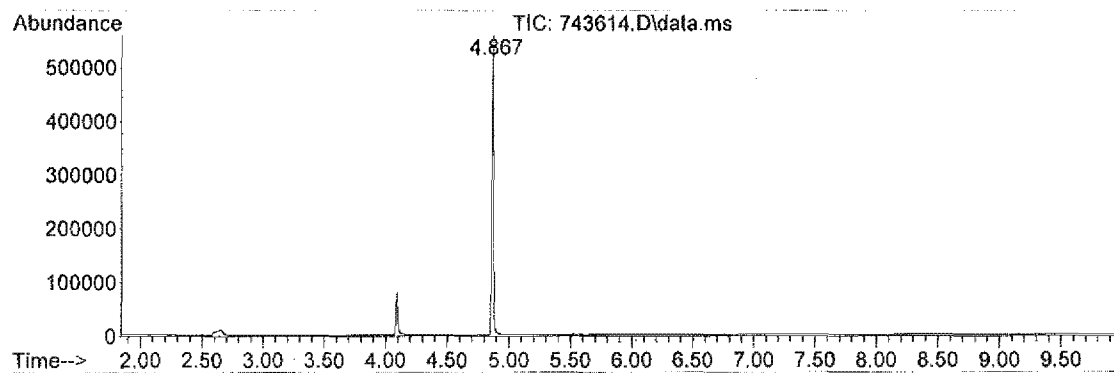
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_15_10\743614.D
 Operator : ASD
 Date Acquired : 15 Sep 2010 15:02
 Sample Name : XXXXXXXXXX
 Submitted by : NEM
 Vial Number : 14
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



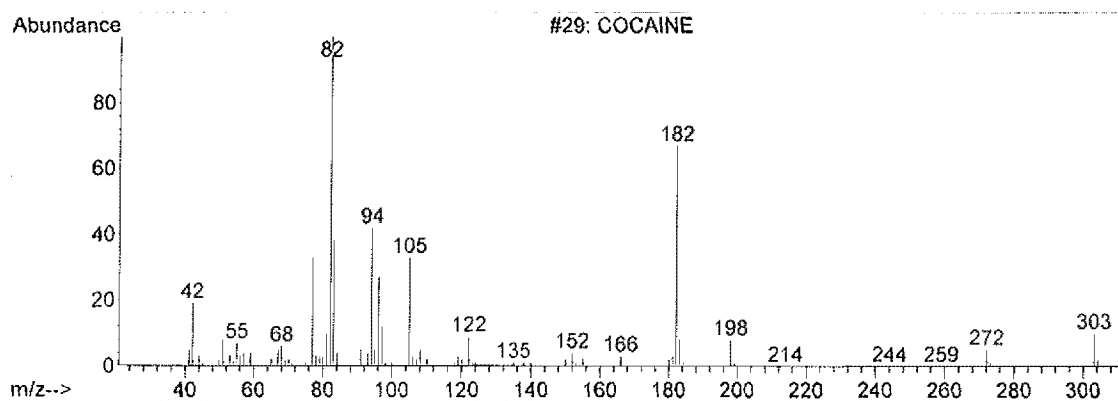
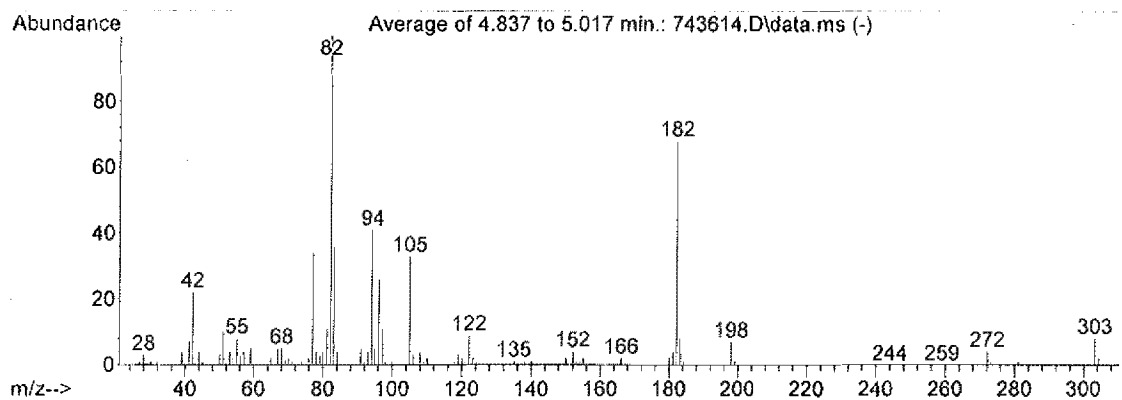
Ret. Time	Area	Area %	Ratio %
4.867	531374	100.00	100.00

Information from Data File:

File Name : K:\09_15_10\743614.D
Operator : ASD
Date Acquired : 15 Sep 2010 15:02
Sample Name : XXXXXXXXXX
Submitted by : NEM
Vial Number : 14
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

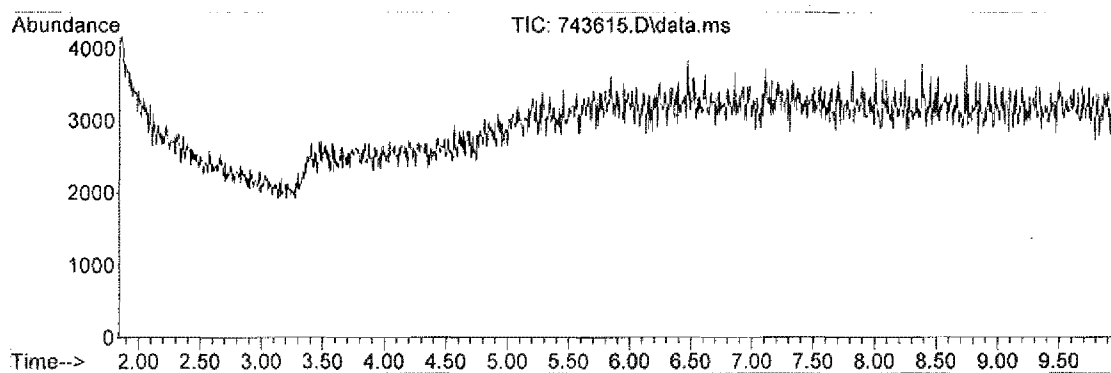
PK#	RT	Library/ID	CAS#	Qual
1	4.87	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_15_10\743615.D
Operator : ASD
Date Acquired : 15 Sep 2010 15:14
Sample Name : BLANK
Submitted by : NEM
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

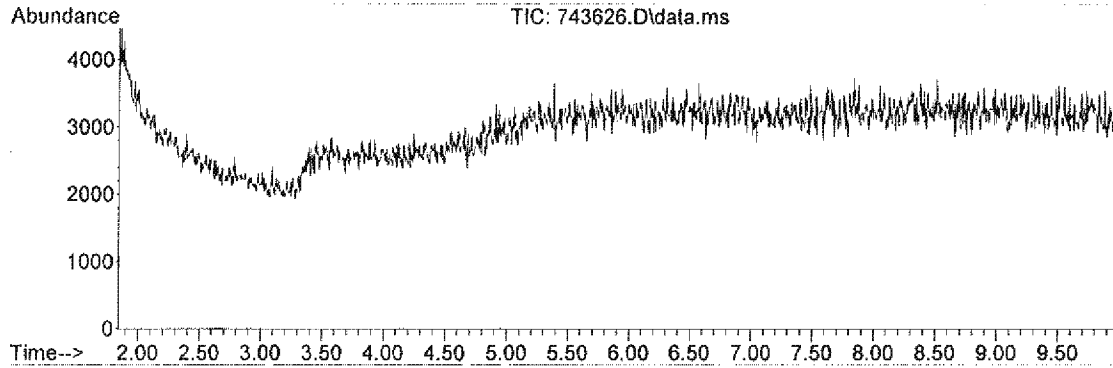


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : K:\09_15_10\743626.D
Operator : ASD
Date Acquired : 15 Sep 2010 17:32
Sample Name : BLANK
Submitted by : NEM
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

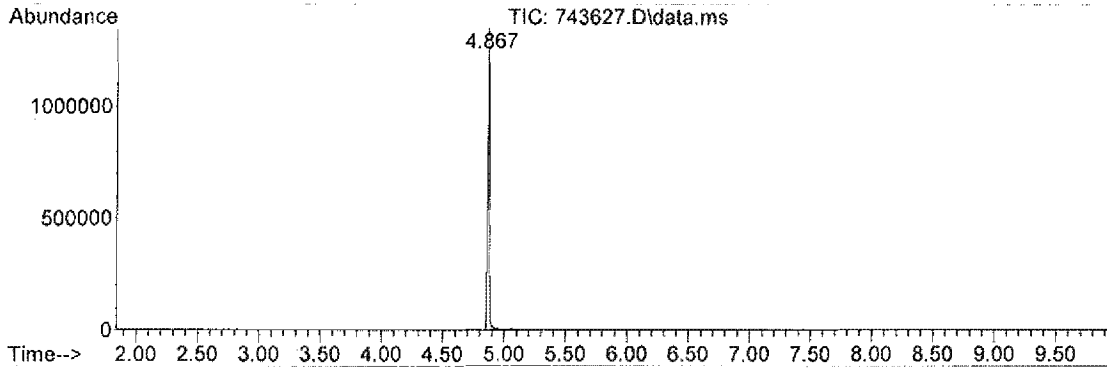


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : K:\09_15_10\743627.D
 Operator : ASD
 Date Acquired : 15 Sep 2010 17:44
 Sample Name : COCAINE STD
 Submitted by : NEM
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



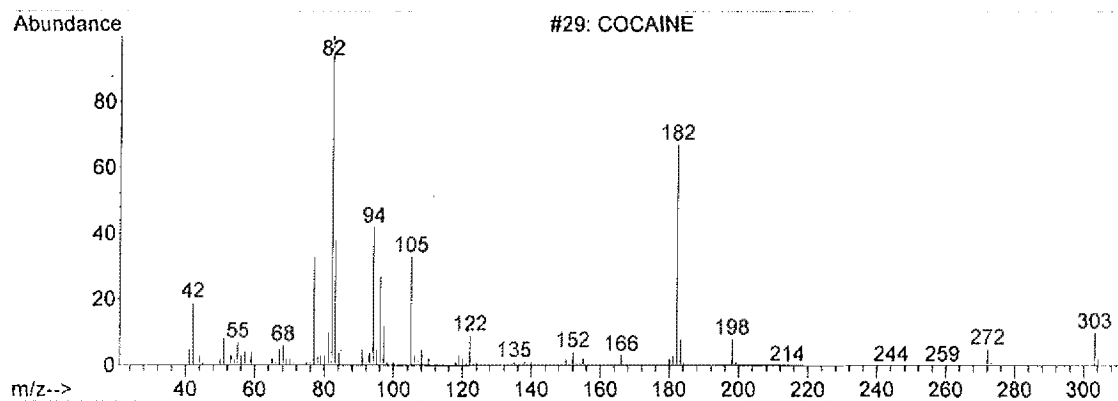
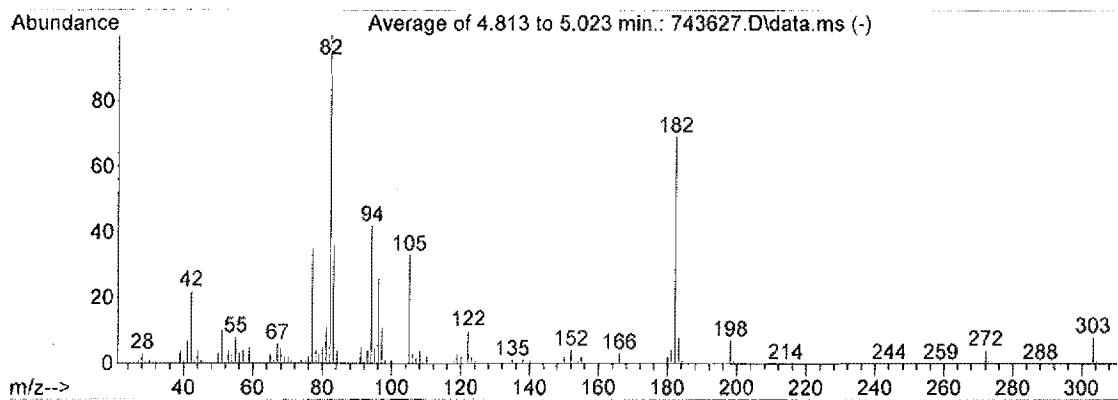
Ret. Time	Area	Area %	Ratio %
4.867	1305696	100.00	100.00

Information from Data File:

File Name : K:\09_15_10\743627.D
Operator : ASD
Date Acquired : 15 Sep 2010 17:44
Sample Name : COCAINE STD
Submitted by : NEM
Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE

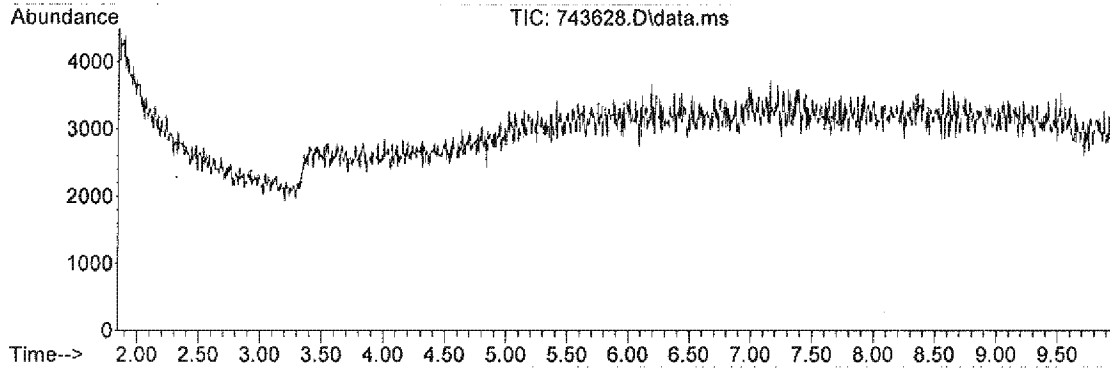
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.87	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : K:\09_15_10\743628.D
Operator : ASD
Date Acquired : 15 Sep 2010 17:57
Sample Name : BLANK
Submitted by : NEM
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS